

April 10, 2002

MODIS sensor Working Group (MsWG) Summary

Attendance: Farida Adimi, Bill Barnes, Bob Barnes, Stuart Biggar, Vincent Chiang, Wayne Esaias, Bob Evans, Gene Feldman, Alice Isaacman, Chris Moeller, Junqiang Sun, Gary Toller, Dr. Wan, Jack Xiong

Scheduled Items

Item 1. Aqua MODIS Status

Bill) Aqua launch will be delayed (unofficially about one week) due to several items including a MODIS stray light concern. Reflections from a box with gold thermal insulation near the SD door may enter the SD cavity. The problem will be fixed before launch.

ACTION ITEM: MCST will verify the SBRS post-correction calculations.

Item 2. Terra Safe Mode Recovery

Bill) The patch to remove the FR OFF command from the CP Mode Transition to Safe Mode was successfully loaded. Any future Safe Mode transitions will not cause the loss of the FR patches that protect the FR from Watchdog Resets. The decision whether or not to write the formatter (KME_FAST) patches to EEPROM (spacecraft permanent memory) is being evaluated.

Jack) The GDAAC just received the first post-recovery SD data. MCST has not received the processed SD calibration data yet. However, RSB and TEB trending appear stable. We do see mirror-side correlated noise (MSCN) in the PC bands. The MCSN is negligible in bands 31 and 32. MCSN has the largest impact on band 36. We will get a BB calibration in about another month. The warm-up, cool-down calibration will tell us the impact on EV data over a broad temperature range.

Item 3. L1B and LUT to Miami

Jack) The delivery was made a week ago. Delivery to the Direct Broadcast community will be discussed soon.

Wayne) We see a SST change on the West side of the viewing swath.

Bob Evans) We need to check whether the effect was present before we entered safe mode.

Jack) Please provide results to MCST.

Bill) How long will it take to re-normalize?

Bob) We are focussing our efforts on re-processing; other activities are lower priority.

Wayne) Probably a month.

Jack) Received the paper from Dr. Wan based on his field campaign work.

Around the Table

Jack) Vincent will send a package concerning PC-band a0 and a2 to Chris.

Bob) We're reprocessing the green and blue bands; red is next.

Chris) Continuing the B5:B26 study on side-A2 using a day in August 2001. It shows a little more scatter in the data, but the coefficient is similar to the other day studied. Will choose a third day and perform a final average. Haven't looked at the frame offset. Side-A1 study not started yet.

Jack) The frame offset won't provide a complete correction because it's an electronic crosstalk problem and we're averaging over detectors and pixels in the aggregated 1 km scaled integers.

Farida) Using frame offsets spanning -4 to +4 does not improve the image.

Chris) Did you try this on a high contrast granule?

Farida) Yes.

Chris) I'll try to test the frame offset as well. Can you provide the gif files?

Farida) Yes.

ACTION ITEM: Make the images available on an ftp site.